## **ASSIGNMENT**

WHEREAS, WE, Ambrose Cheung, Adar Manna and Gongyi Zhang, ASSIGNORS, citizens of the United States, residing at 3 Webster Terrace, Hanover, New Hampshire 03755, 24 Parkhurst Street, Lebanon, New Hampshire 03766 and 3635 Hibiscus Way, Denver, Colorado 80273, are the inventors of the invention in Compositions and Methods for Affecting Virulence Determinants in Bacteria for which we have executed an application for a Patent of the United States
□ which is executed on □ even date herewith or □
which is identified by Pennie & Edmonds LLP docket no. 11312-006 which was filed on January 11, 2002, Application No. 10/043,539 I hereby authorize and request my attorney,, of Pennie & Edmonds, LLP,, to insert here in parentheses (Application number, filed) the filing date and application number of said application when known.
and WHEREAS, Trustees of Dartmouth College, ASSIGNEE is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:
NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;
AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.
AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.
AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally deeverything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.
IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.
Date January 30, 2003 Ambrose Cheung L.S
State of New Hampshire SS.:
county or Graffon
On Jan. 30, 2003, before me, Patti Beaulieu, Notary Public personally appeared Ambrese Cheung, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.
WITNESS my hand and official seal  Requestions  The Republican
State of New Hampshird SS.:  County of Grafton  PATTI BEAULIEU, Commissioner of Deeds My Commission Expires August 9, 2005

Date 01/30/03	, 2003	Dur			L.S.
State of New		Adar Manna			
State of Hampshire County of Grafton	SS.:				
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Date	, 2003	Gongyi Zhang			L.S
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On personally appeared the person(s) whose name(s in his/her/their authorized c behalf of which the person	s) is subscribed to t apacity(ies), and th	he within instrui nat by his/her/the	nent and acknowled eir signature(s) on th	ged to me that he/she/the	ey executed the sam
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IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our resignatures.	pective			
Date, 2003	L.S.			
Ambrose Cheung				
State of )				
County of SS.:				
On 2003 before me	D 111			
On, 2003, before me,, personally known to me on the basis of satisfactory evidence the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entitle behalf of which the person(s) acted, executed the instrument.	ne came			
WITNESS my hand and official seal	<u>)</u>			
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Adar Manna State of	
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On, 2003, before me,	, Notary Public, basis of satisfactory evidence to be e that he/she/they executed the same nent the person(s), or the entity upon
WITNESS my hand and official seal	
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State of Colordo SS.:	
County of Once	
Date Fabruary 7, 2003 Gongyi Zhang	L.S.
State of Colordo)	
County of On vor SS.:	
on February 7, 2003, before me, personally appeared 6000000000000000000000000000000000000	Notary Public,
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WITNESS my hand and official seal	
State of )  SS.:  County of )	
MY COMMISSION EXPIRE May 3, 2003	S: